

[REDACTED] SUMMARY

SOMOGYI, Endre, Dr; POTONDI, Andras, Dr; TOLNAY, Lajos, Dr; PAP, Zoltan,
Dr; Medical University of Budapest (Budapesti Orvostudomanyi Egyetem)
Hospital of the Medical Institute of the Department of Justice and of
the State Ambulance Service (Igazsagugyi Orvostani Intézet es Orszagos
Mentosztóigalat Körháza)

"Coronary Thrombosis of the Young."

Budapest, Orvosi Hetilap, Vol 104, No 1, 6 Jan 63, pages 19-21.

Abstract: The authors report on 21 cases of coronary thrombosis in
people under 35. Most of the patients had no or only indefinite neur-
asthenic complaints before the attack. Autopsy reports showed athero-
sclerotic changes in the coronary arteries in all cases and hypertrophy
of the heart in many cases.

[Of 30 references about 23 are Western, 7 Soviet-bloc]

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SOMOGYI, Endre dr.; POTONDI, Adras, dr.; TOLNAY, Lajos, dr.; PAP, Zoltan, dr.

On coronary thrombosis in young subjects. Orv. hetil. 104 no.1:19-
21 6 Ja '63.

1. Budapesti Orvostudomanyi Egyetem, Igazsagugyi Orvostani Intezet
es Orszagos Menteszolgulat Korhaza.
(CORONARY DISEASE) (SMOKING) (STRESS) (EXERTION)

POTONDI, Andras, dr.; KENYERES, Imre, dr.

Diagnostic problems of acute and unidentified abdominal fatalities
with special reference to the aged. Orv. hetil. 104 no.5:211-213 3
F '63.

1. Budapesti Orvostudomanyi Egyetem, Igazsagugyi Orvostani Intezet.
(ABDOMEN, ACUTE) (AGING) (CHRONIC DISEASE)
(SHOCK)

POTONDI, Andras, dr.; BUDVARI, Robert, dr.; GABOR, Istvan, dr.

Contribution to the fetal complications of tracheotomy. Orv.
hetil. 104 no.26:1217-1219 Je 30 '63.

1. Budapesti Orvostudomanyi Egyetem, Igazsagugyi Orvostani
Intezet. (TRACHEOTOMY) (FETAL DEATH)

GABOR, Istvan, dr.; POTONDI, Andras, dr.

A new hereditary plasma characteristic — the Gm factor
(Preliminary report). Orv. hetil. 104 no. 26:1213 Je 30 '63.

1. Budapesti Orvostudomanyi Egyetem, Igazsagugyi Orvostani
Intezet. (GAMMA GLOBULIN) (GENETICS, HUMAN)

POTONDI, Andreas, dr.; DMK, Imre, dr.

Aneurysm of unusual size at the base of the brain. Orv. Hetil. 105 no.36:710-711 6 S. Mag.

1. Budapesti Orvostudomanyi Egyetem, Magyarorszagi Orvostani Intezet.

FORENSIC MEDICINE

HUNGARY

POTONDI, Andras, Dr; Medical University of Budapest, Institute of Forensic Medicine (director: OKROS, Sandor, Dr) (Budapesti Orvostudomanyi Egyetem, Igazsagugyi Orvostani Intezet).

"Observations in Cases of Lethal Complications of Tracheotomy."

Budapest, Orvosi Hetilap, Vol 107, No 15, 10 Apr 66, pages 694-697.

Abstract: [Author's Hungarian summary] Four instructive cases of tracheotomy are described. In two of them, death was caused by complications resulting from the tracheotomy; in the other two cases, such complications may have played a contributory role in the deaths. The cases as well as some tracheotomy complications observed earlier are used to arrive at some useful practical conclusions. The more recent literature on complications associated with tracheotomy is surveyed briefly. 9 Eastern European, 18 Western references.

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PATHOLOGY

HUNGARY

RUPNIK, Pal, Dr., and POTONDI, Andras, Dr., Institute of Forensic Medicine at the University for Medical Sciences (Orvostudomanyi Egyetem, Igazsagugyi Orvostani Intezet) in Budapest (Director: OKROS, Sandor, Dr.).

"A Rare Form of Coarctatio Aortae"

Budapest, Orvosi Hetilap, Vol 107, No 29, 17 Jul 1966, pp 1372-1373.

Abstract: The autopsy of the body of a 38-year old woman showed the case of coarctatio aortae located proximally to the aorta subclavia sin. coupled with aneurysm of the aorta subclavia sin. The patient died of combined coarctatio and influenzae infection. The clinical findings, including the patient's prior medical history, and the results of the autopsy were discussed in detail. 19 references, including 2 German, 1 Hungarian, and 16 Western.

DOMOTOR,E., dr.; POTONDI,A., dr.; GRAVETZ,B., dr.; GABOR,I., dr.

Spontaneous injuries of drunks. Orv. hetil. 106 no.16:740-742
lo ap '65

1. Országos Menteszolgálat Korhaza (igazgató: Oravetz, Béla, dr.);
Budapesti Orvostudományi Egyetem, Igazságügyi Orvostani Intézet
(igazgató: Okros, Sándor, dr.).

CSALAY, L.; IVANYI, K.; POTONDI, A.

Effect of cortisone and DOCA on histamine intoxication of
adrenalectomized animals. Acta physiol. hung. 6 no.4:471-476
1954.

1. Pathophysiologisches Institut der Medizinischen Universitat,
Budapest.

(HISTAMINE, in blood
elimination, eff. of cortisone & DOCA in adrenalectomized
rats)

(CORTISONE, eff.
on histamine elimination from blood in adrenalectomized
rats)

(BLOOD
histamine elimination, eff. of cortisone & DOCA in
adrenalectomized rats)

(ADRENAL GLANDS, eff. of excis.
on histamine elimination from blood in cortisone &
DOCA-treated rats)

Cerebrovascular Diseases

HUNGARY

POTONDI, Andras, Dr., BARI, Ida, Dr; Medical University of Budapest, Forensic Medical Institute (director: GROSZ, Sandor, Dr) (Frigapsesti Orvostudomanyi Egyetem, Lajosvarayi Orvostani Intezet), and National Ambulance Service (executive director: GROVEZ, Bela, Dr) (Orszagos Menteszolgatalat).

"Colloid Cyst of the Third Ventricle Causing Sudden Death."

Budapest, Orvosi Hetilap, Vol 107, No 44, 30 Oct 66, pages 2099-2101.

Abstract: [Authors' Hungarian summary] A case involving a colloid cyst in the third ventricle of the brain is described. After several sudden attacks of unconsciousness, the cyst led to acute hydrocephalus and sudden death. Because of the unclear symptoms, poisoning, cerebral vascular accident and criminal abortus were considered as diagnostic possibilities. The clinical and pathological characteristics of cysts of the third ventricle as well as the relevant literature data are discussed. 2 Hungarian, 17 Western references.

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POTOP, A.

"Aurel Ionescu; an obituary", p. 521; "issued by the Romanian Society of "Mathematics and Physics, Monthly". (GAZETA MATEMATICA SI FIZICA, SERIA A., Vol. 11, Nov. 1954. Bucuresti, Romania).

SO: Monthly List of East European Accession, (EEAL), IC, Vol. 4, No. 5, May, 1955.

Po. to P. A.

3820. MEASUREMENT OF TEMPERATURES WITH THE AID OF COLOUR CHANGE OF
CERTAIN SUBSTANCES. Potop, M. and Potop, A. (Comm. Acad. Repub. Romina,
1954, vol. 4, 605-607; see abstr. in Chem. Abstr., 1956, vol. 50, 15137.)

Potop, A.

The measurement of temperatures with the aide of color
changes of certain substances. M. Potop and A. Potop.
Comun. Acad. rep. populară Române, 4, 603-7 (1954).
Twelve thermo-indicative irreversible materials were prepd.
which permit measurements in the temp. range of 45-320°.
The graphic temp. of points was computed where the begin-
ning of a color change was observed, as a time function of
heat action on the substance. From these, representations
can be deduced that every substance possessed a crit. point
of the temp. variation as a time function, and the investi-
gated substances can be divided in 2 groups where each one is
characterized by a rigorous parallelism of expressions
 $t = \varphi(\theta)$, where t is the temp. and θ the time. T.Z.D.

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Sf

POTOP, A.

About the possibility of measuring the heat conductivity of metals. P. 401
Vol 5, no 6, June 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress
Vol. 5, no. 12, December 1956

1070P, MUR 151

Category : RUMANIA/Atomic and Molecular Physics - Heat

D-4

Abs Jour : Ref Zhur .. Fizika, No 3, 1957, No 6317

Author : Fatop, Aurel

Title : On the Possibility of Investigating the Free Convection in a
Closed Volume by a Thermal Method.

Orig Pub : Comun. Acad. RPF, 1956, 6, No 4, 527-530

Abstract : By plotting a heat transfer curve for a solid body held at a constant temperature as a function of the pressure of the gas to which the solid body transfers the heat and in which a constant temperature is also maintained, the author has separated free convection from radiation and thermal conduction and thus has been able to investigate the dependence of free convection on the temperature, on pressure, and on the nature of the solid body and of the gas. It was possible to separate the heat transfer by free convection in an experiment with a platinum wire 0.3 mm in diameter.

Card : 1/1

POTOF. A.

About the possibility of measuring the heat conductivity of metals.
p. 401. Academia Republicii Populare Romine. COMUNICARILE. Bucuresti.
Vol. 6, no. 3, Mar. 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, no. 9, Sept. 1955

POTOP, A.

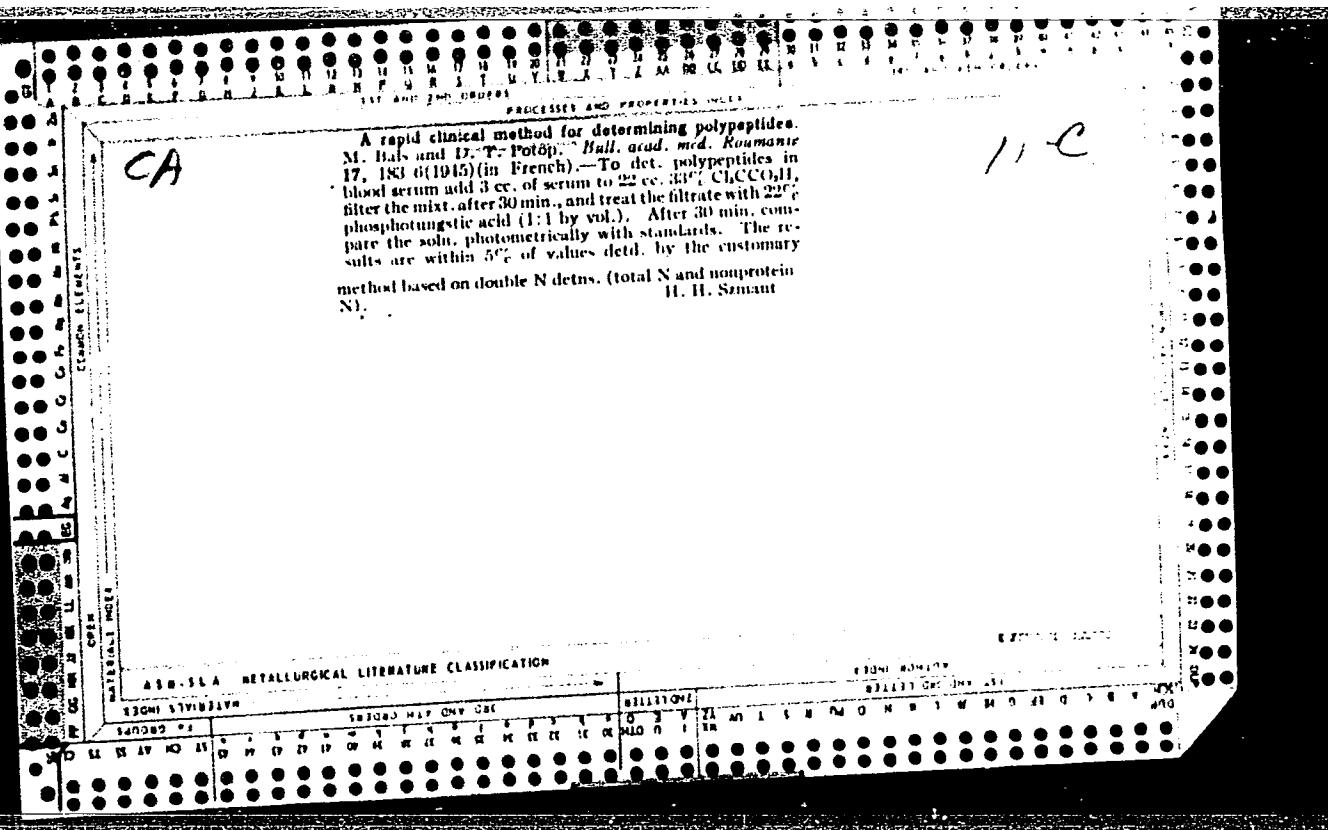
POTOP, A. About an experimental device allowing the determination of heat transmitted by a flexible insulating layer. p. 775. Vol. 6, no. 6, June 1956. COMUNICARILE. Bucuresti, Rumania.

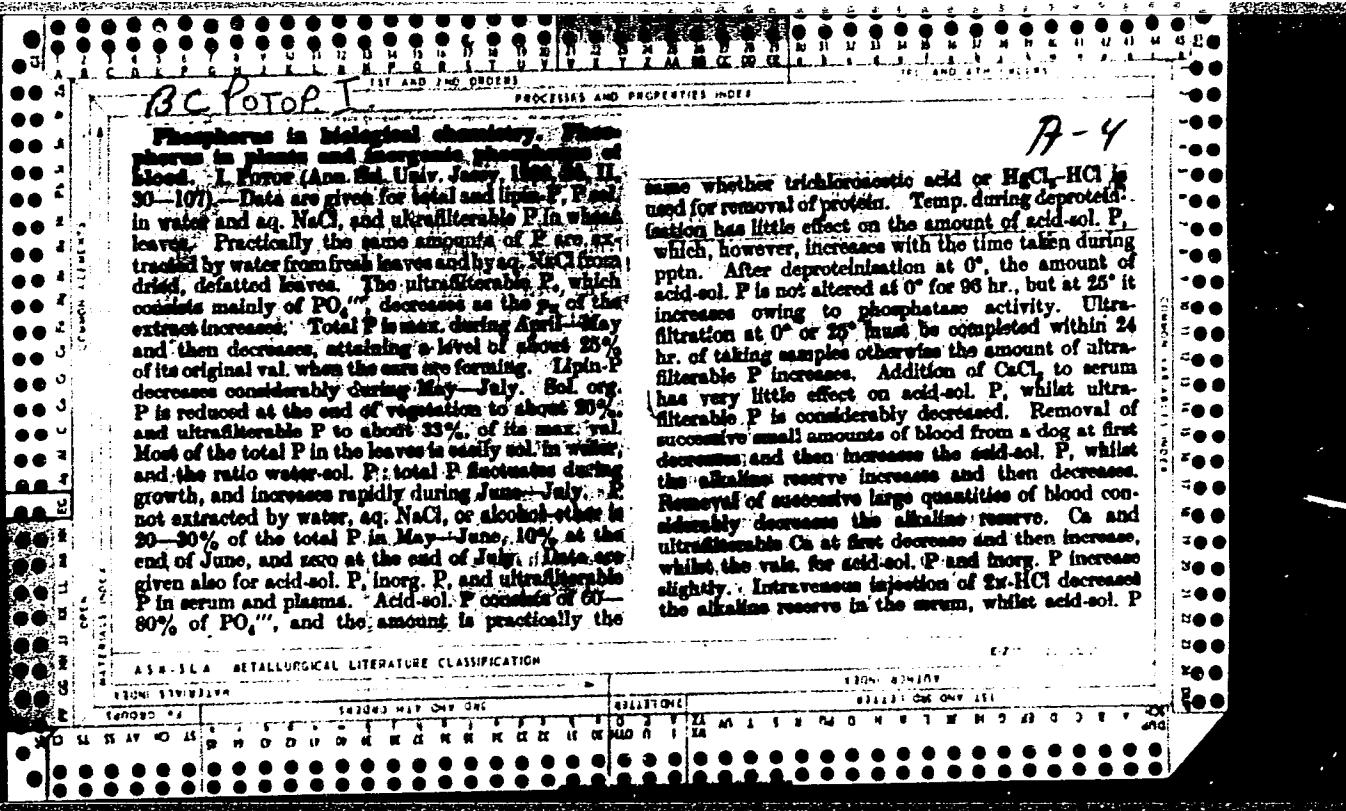
SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

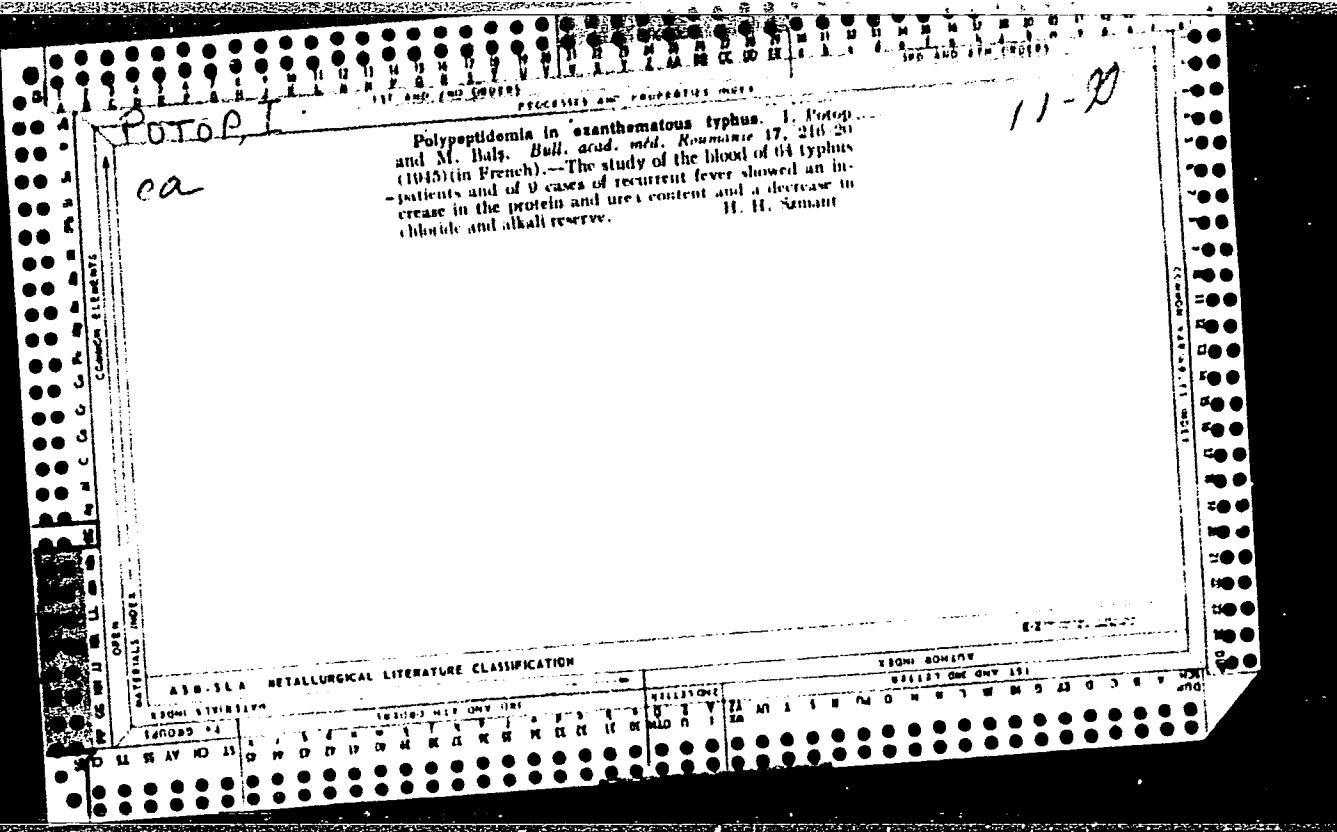
POTOP, A.

"Research on physics of heat connected with Soviet achievements", p. 437;
"Issued by the Rumanian Society of Mathematics and Physics. Monthly".
(GAZETA MATEMATICA SI FIZICA, SEMINA A. Vol. 6, no. 10, Oct. 1954. Bucuresti,
Rumania).

SO: Monthly List of East European Accession, (E AL), LC, Vol. 4, No. 5,
May, 1955.







POTOF, I.; BIENER, J.; BALACEANU, M.; LUPULESCU, A.

Effect of some isolated fractions of the thymus gland on embryogenesis and on the development of tumors transplanted on chick embryos. Neoplasma 9 no.6:563-578 '62.

1. Laboratoires de Biochimie, Institut d'Endocrinologie C.I. Farhon,
Bucarest, Roumanie.
(THYMUS GLAND) (NEOPLASMS EXPERIMENTAL)

POTOP, Isabela; BOERU, Vera; BIENER, Jeana

The influence of a lipoprotein extract isolated from the thymus gland on the development of experimental tumors. Stud. cercet. endocr. 16 no.1:25-31 '65.

MILCU, St.-M. academician; POTOP, Isabela; HOLBAN, Ruxandra; GHINEA,
Elena; MREANA, Georgeta; BOERU, Vera.

The action of thymus extracts on the proliferation of cells
cultured in vitro. Studii cercet. endocr. 16 no.2:129-136 '65.

POTOP, I.; BIENER, J.; LUPULESCO, A.; MREANA, G.

Effect of certain isolated thymus fractions on the development
of Guerin's tumors in albino rats. Neoplasma 3 no.2:157-164 '61.

1. Institut d'Endocrinologie C.I. Parhon, Bucarest, Roumanie.
(THYMUS extracts) (NEOPLASMS exper)

POTOP, I.; BINER, Zh. [Biner, J.]; ZHUVINE, Ye. [Juvina, E.]; CHOKYRDIYA, K.
[Ciocirdia, C.]

Effect of certain lipid fractions of the thymus and spleen on
metabolic processes. Biokhimia 25 no.6:987-990 N-D '60.

(MIRA 14:5)

l. Otdel biokhimii Instituta endokrinologii imeni K.I.Parkhona,
Bukharev.

(THYMUS GLAND) (SPLEEN) (LIPIDS) (METABOLISM)

POTOP, I.; NEACSU, C.; BINER, J.; MREANA, G.

The electrophoresis of proteins and lipoproteins in tumor-carrying rats under the influence of thymus fractions. Rev. sci. med. 5 no.1/2: 83-87 '60.

(NEOPLASMS blood) (BLOOD PROTEINS)
(LIPOPROTEINS blood) (THYMUS GLAND extracts)

RUMANIA/Human and Animal Physiology (Normal and Pathological) T
Nervous System. Metabolism.

Abs Jour : Ref Zhur Biol., No 6, 1959, 26982
Author : Milcu, St.-M., Potop, I., Felix, E., Niculescu-Zinca, D.
Inst : -
Title : Inclusion of P32 Into Phospholipids under Influence of
Epiphysis Hormone and Tyroxin.
Orig Pub : Comun. Acad. RPR, 1957, 7, No 4, 491-497

Abstract : To male rats (R) of I group, hydrolysate of epiphysis was introduced; to II group - tyroxin; III group was the control. To all R P32 (4 curie) in solution was introduced intraperitoneally. After 8 days, the R were killed and from various parts of the brain (cortex, white substance, cerebellum, medulla oblongata) lipides were isolated and p32 was determined. Activity of p32 in III group varied significantly only in the cerebral cortex; most P32 is bound in the structures of medulla

Card 1/2

POTOP, Isabela

Contributions to the biochemical study of the thymus gland. Stud.
cercet. endocr. 14 no.4/5/6:697-702 '63.

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POTOP, Izabela; MREANA, Georgeta; NEACSU, C.

The influence of some hormones and hormone extracts on the uptake of P-32 in the brain, studied from the phylogenetic aspect. Rev. sci. med. 8 no.3/4:163-166 '63.

(BIRDS) (POULTRY) (BRAIN) (METABOLISM)
(PHOSPHORUS ISOTOPES) (ADENOSINE TRIPHOSPHATE)
(THYROXIN)

POTOP, Isabela; JUVINA, Elena; LUPULESCU, Aurel

Effect of some thymus extract fractions on the development of experimental malignant tumors. Cas.lek.cesk 100 no.23:720-724 9 Je '61.

1. Endokrinologicky ustav Rumunske Akademie ved v Bukuresti, reditel akademik Stefan Milcu.

(NEOPLASMS exper) (THYMUS GLAND extracts)

POTOP, I.

Effect of thyroxine on carbohydrate metabolism of the brain in a
nonsurgical experiment [with summary in English]. Biokhimiia 23
no.1:11-16 Ja-F '58. (MIRA 11:3)

1. Institut endocrinologii Rumynskoy AN, Bukarest.
(BRAIN, metabolism,
carbohydrates, eff. of thyroxin (Rus)
(CARBOHYDRATES, metabolism,
brain, eff. of thyroxin (Rus)
(THYROXIN, effects,
on brain carbohydrates (Rus)

PARNON, C.I., academician.; POTOP, I.; BABES, A.; PETREA, I.; FELIX,
E.; JUVIHA, E.

Decrease in malignancy of methycholanthrene-induced tumors
(mesenchymomas) in white rats following thymus extract therapy.
Bul. stiint., sect. med. 7 no.3:863-870 July-Sept 55.

(NEOPLASMS, experimental
methylcholanthrene-induced mesenchymomas, eff. of
thymus extract)
(MESENCHYMOA, experimental
methylcholanthrene-induced in white rats, eff. of thymus
extract)
(THYMUS
extract, eff. on methylcholanthrene-induced tumors in
white rats)

MILCU, M.St.,academician,; POTOP, I.

Effect of the thymus on variations of water and total lipid content of certain portions of cerebral tissue. Bul stiint., sect. med. 7 no.4:1187-1192 Oct-Dec 55.

(BRAIN, metabolism
water & lipid content, variations, eff. of thymus)

(WATER, metabolism
brain, eff. of thymus)

(LIPIDS, metabolism
brain, eff. of thymus)

(THYMUS
hydrolysate, eff. on water & lipid content of brain tissues)

PARHON, C. I., Academician; POTOP, I.; BABES, A.; PETREA, I.; JUVINA, E.;
FELIX, E.

Morphological and biochemical studies of experimental cancer in
thymectomized rats. Bul. stin., sect. med. 8 no.2:499-515 Apr-
June 56.

(NEOPLASMS, experimental
eff. of thymectomy, in rats, morphol. & biochem. study)
(THYMUS, eff. of excision
on develop. of exper. cancer, in rats, morphol. & biochem.
study)

POTOP, I.; FELIKS, Ye.; CHOKYRDYA, K. [Ciocirdia, C.]

Biochemistry of the thymus gland. Biokhimiia 24 no.2:357-363 Mr-Ap
'59. (MIRA 12:7)

1. Institut endokrinologii AN Rumynskoy Narodnoy Respublikи, Bu-
Kharest.

(THYMUS, extract,
eff. (Rus))

MILCU, St.-M., acad; POTOP, Isabela; MREANA, Georgeta

Data regarding the influence of thymectomy and application
of thymic extract on the ATP in muscles. Comunicarile AR 13
no.10:909-914 C '63.

1. Institutul de endocrinologie al Academiei R.P.R.

POTOP, Isatela; BOERU, Vera; MREANA, George

Some data on the composition of some protein extracts
prepared from thymus. Comunicarile AR 13 no.10:921-927
O '63.

MILCOU, S.M.; FOTOF, Isabella; CIOCOLA, Gheorgina;
NEACSU, C.; SIMIONESCU, ...

ROUMANIA

Endocrinological Institute (Institutul de Endocrinologie) Bukarest (all),
Berlin, Acta Biologica et Medica Germanica, No.3, 1963, pp 371-377

"The Influence of Thymus Application and Experience in Athymic on
Serum Proteins of Rabbits"

5

POTOP, I; FELIX, E; CIOCIROIU, G.

Influence of cortisone on the glucidic metabolism in both acute and chronic experiments.

p. 679 (COMUNICARILE) (Bucuresti, Romania) Vol. 7, No. 7, July 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5, 1958

Potop, M.

Rumania/Atomic and Molecular Physics - Heat, D-4

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34404

Author: Potop, A., Potop, M.

Institution: None

Title: Instrument for Comparing the Heat Transfer Through Flexible Heat-Insulating Shells

Original Periodical: An. Univ. "C. I. Parhon". Ser. stiint. natur., 1956, No 9, 47-49; Rumanian; Russian and French resumés

Abstract: Description of an instrument for the investigation of heat-insulating properties of flexible shells (for example, cloths), insuring an accuracy on the order of one percent. The cloth covers the side surface of a duraluminum cylinder (145 mm long, 40 mm in diameter). Located in the axial socket is an electric heater. The cylinder is cooled in a chamber, within which the temperature is kept constant with the aid of a Heppeler thermostat. The time variations of the readings of a mercury thermometer, located in the socket near the surface of the cylinder, is observed.

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Rtup, M.

24
The measurement of temperatures with the aide of color
changes of certain substances. M. Puxop and A. Potop.
Comun. acad. rep. populară României, 603-7 (1954).—
Twelve thermo-indicative irreversible materials were prep'd.
which permit measurements in the temp. range of 45-320°.
The graphic temp. of points was computed where the begin-
ning of a color change was observed, as a time function of

heat action on the substance. From these, representations
can be deduced that every substance possessed a crit point
of the temp. variation as a time function, and the investi-
gated substances can be divided in 2 groups where each one is
characterized by a rigorous parallelism of expressions
 $t = \varphi(\theta)$, where t is the temp. and θ the time. T.Z.D.

Sf

POTOP, M.

POTOP, M. About an experimental device allowing the determination of heat transmitted by a flexible insulating layer. p. 775. Vol. 6, no. 6, June 1956. COMUNICARILE. Bucuresti, Rumania.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

Potop M.

3820. MEASUREMENT OF TEMPERATURES WITH THE AID OF COLOUR CHANGES OF
CERTAIN SUBSTANCES. Potop, H. and Potop, A. (Comm. Acad. Repub. Române,
1954, vol. 4, 603-607; see abstr. in Chem. Abstr., 1956, vol. 50, 15157.
15158).

SAGER, O., membru corespondent al academiei R.P.R.; GOLDHAMMER, L.;
FELIX, E.; POTOP, M.

Metabolism of glucides in animals after unilateral and bilateral
decortication. Bul. stiint., sect. med. 7 no.3:805-816 July-Sept 55.

(CARBOHYDRATES, metabolism
eff. of unilateral & bilateral decortication, in cats)
(GLUCOSE TOLERANCE TEST, same)
(BLOOD SUGAR
eff. of decortication, in cats)
(CEREBRAL CORTEX, physiology
eff. of unilateral & bilateral decortication on glucide
metab., in cats)

POTOP, P.; BADESCU,V., chim.; ZARCUZON,A.; LEONTE, E.

Obtaining potassium salts from soluble salt deposits. Pt.2.
Rev chimie Min petr 14 no.10:565-573 0'63.

1. Lucrarile au fost executate in laboratorul de tehnologie
anorganica din Institutul de Cercetari Chimice al Ministerului
Industriei Petrolului si Chimiei.

POTOP, P.; MARCUS, D.

Obtention of sodium sulfate from residual solutions.
Rev chemie Min petr 13 no.8:458-464 Ag '62.

POTOP, P.

Utilization of the sulfur dioxide from waste gases. Pt.1. Rev
chimie Min petr 13 no.12:705-717 D '62.

POTOP, P.; POPESCU, H.; MANIU, G.

Evaporation with immersed burner, and its application in inorganic chemical industry. Note II. Evaporation of NaCl brine and lyes of sodium chromate and sodium carbonate. p. 562.

REVISTA DE CHIMIE. (Ministerul Industriei Petrolului si Chimiei si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti, Rumania,
Vol. 10, no. 10, Oct. 1959

Monthly List of East European Acquisitions (EAI) LC, Vol. 9, no. 2, August 1959.

Umcl.

Country : Romania
Language :
Pub. Date : RIKhim., No. 22 1959, №.
Author : Lupan, S., Patop, P., Bakes, A., and Parasiteanu, C.
Title : Not given
Title : The Extraction of Potassium Salts from Soluble-salt Deposits. Preliminary Data. Communication L
Pub. Pub. : Rev Chim, 9, No 2-8, 402-408, Discussion 406
(1958)
Abstract : Data are presented on the composition of the potassium salt deposits in the Feteasca (transilvania) basin (Romania) which represent a mixture of three salts: sylvinit, langbeinit, and kaolinite. The authors discuss various methods for the extraction of the salts and their processing into potassium fertilizers by the hot leaching of KCl from the sylvinit. A flow sheet is given for the industrial-scale separation of sylvinit into KCl and NaCl of 99.8% purity.

N. Kirichenko

Rev. Date: 1/1

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MYSH, G.D.(Novosibirsk,ul.Sennaya, d.36,kv.35); POTOPCHIN, D.D.

Disseminated necrosis of the pancreas with final recovery of the patient. Klin.khir. no.8:71-72 Jl '62. (MIRA 15:11)

1. Kafedra gospital'noy khirurgii (zav. - prof. I.L.Bregadze)
Novosibirskogo meditsinskogo instituta.
(PANCREAS--NECROSIS)

KUZMICHEV, V.I.; PECHEN', V.N., mekhanik-naladchik defektoskopov;
POTOPENKO, V.D.; SKREZHENDEVSKIY, Ye.V., dotsent

Results of the testing of a transistorized defectoscope. Put' i
put.khoz. 5 no.8:31 Ag '61. (MIRA 14:10)

1. Nachal'nik defektoskopnogo vagona-laboratorii MRD-52 Belorusskoy
dorogi (for Kuzmichev). 2. Kafedra elektrotehniki Belorusskogo
instituta inzhenerov zheleznodorozhного transporta (for Potapenko).
3. Kafedra "Put' i putevoye khozyaystvo Belorusskogo instituta
inzhenerov zheleznodorozhного transporta (for Skrezhendevskiy).
(Railroads--Rails--Testing)

RUMANIA

NESTORESCU, N., Prof. Dr., Member Correspondent of the Academy of Socialist Republic of Rumania (membru corespondent al Academiei Republicii Socialiste Romania); CIPLEA, Al., BONA C., POTORAC, E., URZICEANU, N., Colonel, Medical Corps; and STRATI, I., Lieutenant-Colonel, Medical Corps.

"Experimental Studies on Burn Disease: Part 1 - Contribution to the Study of Histopathological Modifications in the Acute Phase of the Severe Experimental Burn (24 to 48 hours)"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 104-106

Abstract: Comprehensive data on experimental study in groups of 30 dogs (including 10 controls in each group), studying histopathologically the various tissues 6, 24, and 48 hours after the burn; with stress on adrenals, kidney and spleen lesions. Conclusion is that there is a definite pathological process whose stages can be differentiated; the nucleic acid content in various tissues is revelatory of the stage of disease.

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Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 106-110

Abstract: Study of bone marrow cytology in dogs 24 and 48 hours after severe burns; trends in leukocyte counts are reported and discussed. There is a marked difference between the two stages, i.e., hemoconcentration with erythrocytosis first, turning later to anemia; exhaustion of reticulo-endothelial system is part of the second phase. 3 photomicrographs.

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POP, Al, dr.; POTORAC, E., dr.; OPRISAN, R., dr.

The experimental animal in scientific research and biological tests. Microbiologia (Bucur) 8 no.4:289-301 Jl-Ag '63.

1. Lucrare efectuata in Institutul de "microbiologie, paraziologie si epidemiologie Dr. I. Cantacuzino".
(ANIMALS, LABORATORY) (RESEARCH)
(BIOLOGICAL PRODUCTS) (PHARMACOLOGY)

TYUTYUNNIKOV, A.B., kand.tekhn.nauk; POTRASHKOV, V.I., kand.tekhn.nauk

Complete automation of soda plants. Khim.prom. no.8:553-558
Ag '61. (MIRA 14:2)
(Soda industry--Equipment and supplies) (Automation)

KRIVOSHEYEVA, L.S., starshiy nauchnyy sotr.; POTOTSKAYA, Yu.S., mladshiy nauchnyy sotr.; NIKITINA, Ye.V., otv. red.; VOZHEYKO, I.V., red. izd-va; ANOKHINA, M.G., tekhn. red.

[Ornamental perennials in Kirghizistan] Dekorativnye mnogoletniki v Kirgizii. Frunze, Izd-vo AN Kirgizskoi SSR, 1960. 181 p.
(MIRA 14:11)

(Kirghizistan—Perennials)

DOROSHEVICH, Anatoliy Titovich; TYURIKOV, Aleksandr Afanas'yevich;
MAMONTOV, Roman Romanovich; POTOTSKIY, G.I., red.; BOBROVA,
Ye.N., tekhn.red.

[Track maintenance on roads carrying heavy loads; work practices
of the Kalachinsk section of the Omsk Railroad] Soderzhanie puti
v usloviakh vysokoi gruzonapriazhennosti; opyt raboty Kalachinskoi
distsantsii puti Omskoi dorogi. Moskva, Vses.izdatel'sko-poligr.
ob"edinenie M-va putei soobshcheniya, 1960. 47 p.

(MIRA 13:9)

(Railroads--Maintenance and repair)

COUNTRY : RUMANIA
CATEGORY : Chemical Technology. Chemical Products and Their Application. Elements. Oxides. Mineral Acids.*
ABS. JOUR. : RZhKhim., No 17, 1959, No. 61415
AUTHOR : Potom, I.; Lupan , S.
INSTITUTE : -
TITLE : Derivation of Potassium Salts and of Portland Cement Clinker from Local Ores.
ORIG. PUB. : Rev. chim., 1957, 8, No 11, 694-702

ABSTRACT : In the calcining of a mixture composed of feldspar or of glauconite sand with CaCl₂ at 1300° for 30 minutes, more than 80% of K₂O (as KCl) was volatilized. A cement clinker of good quality was produced simultaneously. For the recovery of KCl, a laboratory atomizing absorber was employed in which, the absorbing solution as a fine mist was contacted with the KCl mist countercurrently. In a continuous operation, heat contained in the KCl-gas was utilized for the evaporation of the

*Bases, Salts.

Card: 1/2

Potopalov, I.I.
POTOPALOV, A.I.

Using conditional weights in recording production output. Tekst.
prom. 18 no.1:7-8 Ja '58. (MIRA 11:2)

1. Nachal'nik planovogo otdela Pushkinskoy tonkosukonnoy fabriki.
(Wool industry--Accounting)

POTOPALOV, A.I.

Two factors in the growth of labor productivity. Tekst.prom. 16
no.5:52-53 Ky '56. (MLRA 9:8)

1. Machal'nik planovogo otdela Pushkinskoy tonkosukonnoy fabriki.
(Textile industry)

AP5027911

SOURCE CODE: UR/0133/65/000/011/1021/1023 MJW/JD/HW

AUTHOR: Sominskiy, Z. A.; El'bert, S. M.; Bisk, M. B.; Potopayev, A. P.; Kazachkov,
B. M.; Borodin, A. I.; Chistyakov, V. G.

ORG: none

TITLE: Parameter refinement in the hot working of tubes made from Kh18N10T, 30KhGSA
and Kh5M steels

SOURCE: Stal', no. 11, 1965, 1021-1023

TOPIC TAGS: tool steel, metal tube, plastic deformation

ABSTRACT: Optimum preheating schedules are established for the subsequent hot working of tubes made of Kh18N10T steel. Care was taken to hold the mandrel temperature below 600°C in order to preserve the useful tool life. Thermocouples were placed in various portions of the mandrel and the temperatures measured for varying conditions. All tubes were drawn to 100 m air blast, water-air spray mixture and water spray cooling was employed. A mixture of zinc oxide and graphite was used as a lubricant. Data are presented for tubes drawn to 40, 50, 60 and 70 m after various preheat temperatures (between 80 and 250°C) and for the cooling methods discussed above. Data on the change in mandrel temperature showed a large degree of variation (310 to 510°C) increasing with draw length and preheat temperature. The cooling efficiency also was

UDC: 621.774.39

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L 13052-66

ACC NR: AP5027911

a significant factor, the highest cooling rate being achieved with water spray cooling. For Kh18N10T steel, the preheat temperature recommended was between 150-200°C. The other phase of the study dealt with the determination of optimum temperature intervals for the hot deformation of 30KhGSA and Kh5M steels. Mechanical property data were obtained in the form of dynamic bend resistance as a function of temperature of testing (ambient temperature to 700°C) for Kh5M and impact resistance as a function of temperature of testing (20-600°C) for 30KhGSA. Also the fracture appearance was analyzed in both cases. The plasticity of Kh5M steel increased up to the temperature range of 300-400°C where it remained constant and subsequently rose again. The transition from ductile to brittle fracture took place at temperatures of about 40-60°C. The explanation preferred for the retardation in rise of plasticity in the range 300-400°C was dislocation solute interactions (C and N especially). This Cottrell type cloud retarded the motion of dislocations. At higher temperatures, the ductility of the steel increased due to thermal activation assisting the release of dislocations from their C and N atmospheres. For 30KhGSA steel, the impact strength rose with temperature to 150°C where it reached a maximum at 150-200°C and subsequently dropped, reaching another peak at about 400°C. Thereafter, the drop became very sharp and at 500°C the value was the same as for room temperature. Above 550°C, a sharp rise in impact strength occurred as a function of temperature. Again Cottrell cloud was used to explain the leveling off of impact strength at 400-550°C. Alloying elements which combine chemically with the solute C and N atoms offset this behavior; this explains the higher

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L 13052-66

ACC NR: AP5027911

plastic properties of Kh5M. Considering the effect mentioned, it was concluded that the optimum working temperature interval for Kh5M should be 200-300°C, and 100-200°C for 30KhGSA. Thus the optimum preheating temperatures in the inductor should be 100-200°C and 60-120°C respectively. The tool life was considerably lengthened by following the above hot working parameters. Orig. art. has: 2 figures, 2 tables.

SUB CODE: 11/ SUBM DATE: 00/ ORIG REF: 002/ OTH REF: 002

Card 3/3 CJ

IOTOFILMCO. S. V.

Geography & Geology

Requirements of industry as to the quality of mineral raw materials. Handbook for geologists-- Moskva, Gos. izd-vo geologicheskoi lit-ry Komiteta po delam geologii pri SNK SSSR; No. 20, Dolomite, 1946.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

BAGDANOV, O.P.; POTOPOL'SKIY, V.D.

Tarbophis rhinopoma Blandord, a snake species recently found in the
USSR. Dokl. AN SSSR. 109 no.4:877-878 Ag 1956. (MIRA 9:10)

1. Predstavleno akademikom Ye.N. Pavlovskim.
(Turkmenistan--Serpents)

MILCU, S.M.; POTOPOVA, I.

Effect of the epiphysis on the metabolism of glycides and phosphorus
in the brain. Cas.lek.cesk 100 no.12:367-370 24 Mr '61.

1. Endokrinologicky ustav Rumunske akademie ved v Bukuresti.

(PINEAL BODY physiol) (BRAIN metab)
(PHOSPHORUS metab) (CARBOHYDRATES metab)

POP, Al. HEYTMANEK, Constanta; POTORAC, E.; OPRISAN, R.; OPRISAN, Alis;
STANICA, Ecaterina; STOIAN, Cecilia; CIUREA, V.

Anti-liver serum antibodies appearing during antidiphtheric
hyperimmunization with toxoid in experimental rabbits and
horses producing therapeutic serum. Arch. roum. path. exp.
microbiol. 23 no.3:811-820 S'63

1. Institut "Dr. I. Cantacuzino", Service Veterinaire, Bucarest
(for Pop, Heytmanek, Potorac, Oprisan R. Oprisan, A.) 2.
Institut "Dr. I. Cantacuzino"; Service de la Diphterie, Bucarest
(for Stanica, Stolian). 3. Faculte de Medecine veterinaire de
Bucarest (for Ciurea).

CIUCA, M.; POP, M.; POTORAC, E.; OPRISAN, R.

Considerations on the production of therapeutic serums. Arch.
roum. path. exp. microbiol. 23 no.3:515-522 S'63

1. Travail de l'Institut "Dr. I. Cantacuzino"; Service veterinaire, Bucarest.

ZILISTEANU, C.; MISTRICA, Matalliu; LASCOINSCHI, Sofia; FOTORAC, N.

Preparation of anti-human serum. Horse immune serum against
human protein for immuno-electrophoresis. Arch. Roum. path. exp.
microbiol. 23 no.4:959-966 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Services des
Produits Biologiques et de Physiologie Microbienne). Submitted
June 26, 1964.

TORJE, I., ing.; POTORAN, I., ing.

On the conduct of tissues made of polyamide fibers during the manufacturing process. Ind text Rum 12 no.1:22-24 Ja '61.

LW1(D)/EWP(1) IJP(c) BB/GG
ACC NR: AP5023272

UR/0302/65/000/003/0031/0033
681.142.004;681.142.652.35

43
73

AUTHOR: Bellilovskiy, Ye. S.; Potorocha, G. T.

TITLE: A device for automatic arrest of the tape-advancing mechanism of the "Ural-2" electronic digital computer

SOURCE: Avtomatika i priborostroyeniye, no. 3, 1965, 31-33

TOPIC TAGS: punched paper tape, digital computer, computer circuit, electric relay

ABSTRACT: During introduction of data into computers by means of perforated tape one often encounters breaks followed by unreeling and partial destruction of the tape. To avoid such extended damage, the authors developed a device which automatically stops the perforated tape in case of breaks. Its operation is based on a tape motion control by continuous information recording from its perforation. An interruption of pulse arrivals from the photodiode actuates a relay which stops the tape-advancing mechanism. The article describes the circuitry as well as the operation of the entire device. The setup was developed in conjunction with the "Ural-2" computer but may be used with any other machine using a 35-mm perforated tape. Orig. art. has: 2 figures.

ASSOCIATION: none

Card 1/2

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L 4498-66

ACC NR: AP5023272

SUBMITTED: 00 ENCL: 00 SUB CODE: DP, EC
NO REF SOV: 000 OTHER: 000

BC

Card 2/2

0048

L 2209-66 EWT(1)/EWT(m)/EWP(t)/EWP(b) IJP(c) JD/JW

ACCESSION NR: AP5017343

UR/0181/65/007/007/2256/2258

44,55

43P

21.44,55

AUTHOR: Potorcha, V. I.; Men', A. N.

TITLE: Concerning the calculation of the paramagnetic susceptibility of Cr³⁺ in MgAl₂O₄

SOURCE: Fizika tverdogo tela, v. 7, no. 7, 1965, 2256-2258

TOPIC TAGS: chromium, magnesium compound, paramagnetic susceptibility

ABSTRACT: The authors show that the dependence of the magnetic susceptibility on the temperature and on the magnetic field can be calculated even if the explicit form of the energy spectrum of the impurity paramagnetic ion is not known. This is done by expanding the exponential functions contained in the thermodynamic potential in a series, and retaining terms of third order of smallness and larger. The susceptibility and the parameters of the Curie-Weiss law are calculated, by way of an example, for Cr³⁺ in MgAl₂O₄. Orig. art. has: 10 formulas and 1 table.

ASSOCIATION: Institut metallurgii AN SSSR, Sverdlovsk (Institute of Metallurgy, AN SSSR)

44,55

SUBMITTED: 03Mar65

ENCL: 00

SUB CODE: SS

NR REF SOV: 003

OTHER: 003

Card 1/1 SP

BALENKOV, N.Yu.,; POTOREYKO, G.,; STARTSEVA, R.

Temporary bonds of the respiratory apparatus in decorticated cats. Biul. eksp. biol. i med. 41 no.2:17-20 F '56. (MIRA 9:6)

1. Iz kafedry normal'noy fiziologii (zav.-prof. D.G. Kvasov) Leningradskogo pediatricheskogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR P.S. Kupalovym.

(RESPIRATION, physiology,

conditioned temporary bonds in cats after cerebral decortication (Rus))

(REFLEX, CONDITIONED,

conditioned temporary resp. bonds in cats after cerebral decortication (Rus))

(CEREBRAL CORTEX, physiology,
same)

VIG, Istvan; POTOKE, Lajos

Level of the assembly technology of the Hungarian telecommunication industry. Finommechanika 1 no.9:270-274, 280 S '62.

1. Hiradastechnikai Kozponti Technologus Csoport.

ACC-NR: AP6018717

SOURCE CODE: UR/0193/66/000/004/0038/0040

AUTHOR: Belilovskiy, Ye. S.; Potorocha, G. T.

ORG: none

TITLE: Device for automatic control of the movement of information carrying tapes on an "Ural-2" digital electronic computer

SOURCE: Byulleten' tekhniko-ekonomiceskoy informatsii, no. 4, 1966, 38-40

TOPIC TAGS: digital computer, computer, electronic computer, computer center, magnetic tape, automatic control, automatic control design, control circuit, computer storage device

ABSTRACT: This device was developed at the computer center of the Scientific Research Institute of Mining (Nauchno-issledovatel'skiy gornorudnyy institut). It can be used on ETsVM "Ural-2" computers as well as on other computers utilizing perforated tapes as information carriers. Its circuit is quite simple, it has no movable electromechanical contacts, and it operates efficiently at considerable fluctuations in feed voltage. The principle of its operation is based on the fact that continuous reading of the perforations is the source of information on the tape movement. This discrete information is converted to a control signal which stops the

Card 1/2

UDC 681.142.62

BINUS, M.S.; POTOROCHA, G.T.

The RKSP-2 level indicator. Biul.tekh.-ekon.inform. no.5:6-8 '61.
(MIRA 14:6)

(Level indicators)

VASHCHENKO, Yu.I.; POTROCHIN, Ye.K.

Using hard-faced rolls on mills for the diagonal rolling
of pipes. Metallurg 5 no.8:24-26 Ag '60.
(MIRA 13:?)

1. Pervouralskiy novotrubnyy zavod.
(Rolls(Iron mills)) (Pipe mills)

Potorochin, Ye.K.

S/130/60/000/008/009/009

AUTHORS: Vashchenko, Yu.I., Potorochin, Ye.K.

TITLE: The Use of Hardfaced Rollers on Transverse Pipe Rolling Mills

PERIODICAL: Metallurg, 1960, No. 8, pp. 24-26

TEXT: As the service life of cast-iron rollers of three-high rolling mills is relatively short, experimental investigations were carried out on the use of steel rollers hardfaced by the following technology: preparation of the rollers to hardfacing, induction heating, hardfacing, heat treatment, calibration and repeated heat treatment. A groove is cut on 1045 steel rollers intended for hardfacing. The groove surface must be free of mazut, graphite, oil, oxides, and rust and there must be no cracks, cavities, slag impurities or coarse network on the rollers. The rotating roller is heated up to 370-380°C using a water-cooled inductor. Heating time is 2 1/2- 3 hrs. Every 30-40 minutes heating is interrupted for 8-10 minutes to allow the heat to spread uniformly over the whole volume of the roller. The temperature is checked with a thermopencil. Superheat is avoided. For hardfacing of rollers the Institut elektrosvarki im. Patona Akademii nauk USSR (Institute of Electric Welding imeni Paton of the Academy of Sciences UkrSSR) recommends the use of III3Kh2B8 (PP3Kh2V8) powder wire and AH-20 (AN-20) flux. The rollers are hardfaced with an automatic A.384 welding head in 3-4 layers, with 4-4.5mm

Card 1/2

POTORZHINSKIY, I.I.

Diagnosis of seminoma of the testicle. Vop. onk. 6 no. 10:98-99
0 '60. (MIR 14:1)
(TESTICLE--TUMORS)

POTORZHINSKIY, I.I., kand.med.nauk

Prostate gland abscess in a nursing infant. Pediatriia 42
no.1:65 Ja'63. (MIRA 16:10)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. V.A.
Barkov) Arkhangel'skogo gosudarstvennogo meditsinskogo in-
stituta.
(PROSTATE GLAND—ABSCESS) (INFANTS—DISEASES)

P. T. R. e. Hinskij, I.I.

Z
POTOREHINSKIY, I.I., Cand Med Sci -- (diss) "Interfascial gaps between the frontal section of the neck and the path of phlegmon distribution." Len, 1957. 16 pp. (Leningr^{du} Ped Med Inst), 200 copies. (KL, 9-58, 123)

- 142 -

USSR/Human and Animal Morphology - Muscles.

S

Abu Jaur : Ref Zhur Biol., No 5, 1959, 21515
Author : Potorzhinskiy, I.I.
Inst : Archangel Medical Institute
Title : Interfascial Spaces of the Anterior Portion of the Neck and Rates of Spread of Carbuncles
Orig Pub : Sb. tr. Arkhang. med. in-t, 1956, No 14, 133-142
Abstract : 3% agar stained with India ink was injected into the principal interfascial spaces of the neck. It was established that the fascial bed of the sternomastoid consists of a closed case; when the walls of this case are overstrained the mass flows out of the posterior surface, penetrating into the supraclavicular fossa, and sometimes into the cul-de-sac [of Gruber]. The fascial layer most often tears at the site of

Card 1/3

- 12 -

VERE BANOV, Ye.I.; DYTHERSKY, Yu.I.; GORYAINOV, I.V.; KALINOV, A.N.

Calculating the flooding rate for granular systems in a two-comerless plate tower. Trudy NIIIT no.49:30-33 1973

POTORZHINSKIY, V.P.

GULYAYEV, V.N.; POTORZHINSKIY, V.P.

Mechanized production line for soy sauce. Kons. i ov. prom. 13
no.6:5-8 Je '58. (MIRA 11:5)

1. Moskovskiy ordena Lenina pishchevoy kombinat imeni Mikoyana (for
Gulyayev). 2. Moskovskiy zavod pishchevykh kontsentratov No.3 (for
Potorzhinskiy).

(Soybean)

SOV/137-59-3-6748

Translation from Referativnyy zhurnal Metallurgiya, 1959 Nr 3 p 259 USSR)

AUTHOR. Potoskuyev, M. N.

TITLE: Regularities in the Motion of Metal in the Area of Contact During Rolling (Zakonomernost' dvizheniya metalla v ochen'e deformatsii pri prokatke)

PERIODICAL: Sb. Mosk. in-t stali, 1958, Vol 38, pp 245-281

ABSTRACT: The kinematics of the area of contact (AC) during rolling was investigated by the method of punch marks, as well as with the aid of a coordinate grid. Attention was primarily focused on studying the following factors: Regularities in the longitudinal motion of metal particles on the contact surface and in the central zone; nonuniformities of velocity at different cross-sectional heights; and the kinematic relationship between the rigid ends of the strip and the portion of it which is being reduced. Formulas derived for the path and speed of travel of the metal may be utilized in the theory and practice of rolling. It is demonstrated that there is no zone of adhesion; the transfer of metal in the AC from the zone of backward slip to the zone of forward slip occurs through the critical cross section

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SOV/137-59-3-6748

Regularities in the Motion of Metal in the Area of Contact During Rolling

A very slight nonuniformity in longitudinal velocities of metal was observed along the cross-sectional height of the AC. According to the experimental data, the dimensions of regions which connect the rigid ends of the strips with the zones of metal being deformed, and which are characterized primarily by elastic deformation, are practically negligible: ~0.7 mm at the entry to the rolls and ~1 mm on the delivery end. Therefore, assuming that variations in velocities of metal are limited to these zones, it is permissible to assume also that the rigid ends of the strip adjoin directly the planes of the entry and the exit. Bibliography 21 references.

V D.

Card 2/2

BORISOV, B.G., kand.tekhn.nauk; POTOSKUYEV, M.H., kand.tekhn.nauk; ROMANOVA, T.M., kand.tekhn.nauk; TROSHIN, P.V., kand.tekhn.nauk. TSELEBROVSKIY, V.Ye., kand.tekhn.nauk; DANICHOK, Ye.A., kand.tekhn.nauk; KARYAGIN, N.P., kand.tekhn. nauk; FATEYEV, V.P. (Ioskar-Ola)

Training of engineers for work in industrial heat and electric power systems. Prom.energ. 18 no.8:35-41 Ag '63. (MIRA 16:9)

1. Ivanovskiy energeticheskiy institut imeni V.I.Lenina. (for Borisov, Potoskuyev, Romanova, Troshin). 2. Tomskiy politekhnicheskiy institut (for Tselebrovskiy). 3. Dnepropetrovskiy metallurgicheskiy institut (for Danichok). 4. Gor'kovskiy inzhenerno-stroitel'nyy institut (for Karyagin).

(Power engineering—Education and training)

POTOSKUYEV, M. N., kand.tekhn.nauk

Slipping during rolling. Sbor.Inst.stali no.39:173-194
'60. (MIRA 13:?)

1. Kafedra prokatki Moskovskogo ordena Trudovogo Krasnogo
Znameni instituta stali im. I.V.Stalina.
(Rolling(Metalwork))

Sfizdat
POTOSKUYEV, M.N., Doc Tech Sci -- (diss) "Velocity
~~notions~~ in rolling." Mos, 1958, 32 pp (Min of
Higher Education USSR. Mos Order of Labor Red Banner
Inst of Steel im I.B. Stalin. Chair of Rolling and
Drawing) 120 copies. Bibliography at end of text
(20 titles) (KL, 29-58, 131)

- 43 -

POTOSKUYEV, M.N., kand.tekhn.nauk; AKULIN, V.I., inzh.

Equipment for the determination of the coefficient of sliding friction. Izv.vys. ucheb. zav.; chern.met no.9:155-157 S '58.
(MIRA 11:11)

1. Ivanovskiy energeticheskiy institut.
(Rolling (Metalwork))

18(5)

AUTHOR:

Potokuyev, M. N.

S.Y.163-39-1-15,71

TITLE:

Slipping Coefficients in Rolling (Pokazateli skol'zheniya
pri prokatke)

PERIODICAL:

Nauchnyye doklady vysshey shkoly. Metallurgiya, 1959,
Nr 1, pp 133 - 140 (USSR)

ABSTRACT:

It is shown that it is necessary to employ a number of coefficients in the analysis of the conditions prevailing at the contact surfaces in rolling processes. The following four coefficients are investigated: 1) The complex slipping coefficient which must be determined in the course of the analysis of the kinematic conditions at the contact surface and of the deformation zone. Formulas (7) and (7a) for this coefficient are derived. (7) specifies the slipping - and (7a) the adhesion condition. 2) The slipping rate coefficient which is specified by the ratio of the average slip velocity

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$\frac{\bar{v}_{sl}}{v}$ and the peripheral velocity of the roller \bar{v}_{sl} . It is

Slipping Coefficients in Telling

SCV, 100-30-1-05, 7e

determined by formula (15). It appears that this coefficient is directly related to the coefficient of contact friction f . The condition of complete adhesion is derived: Formula (17). 3) The coefficient of relative motion which is the ratio of $r\delta_{I-II}$ and $r\alpha$, i.e.

$\frac{\delta_{I-II}}{\alpha}$, where α denotes the gripping angle, $r\delta_I$ the proportion of forward slip in the zone of backward slip and $r\delta_{II}$ denotes the proportion of backward slip in the zone of forward slip of the material. Formula (21) for this coefficient is derived. It shows that if the forward slip increases the coefficient of relative motion decreases. It further demonstrates that if the complex slipping coefficient increases the coefficient of relative motion also increases. With the help of this formula (21) the critical angle, to which corresponds the condition

$\frac{\delta_{I-II}}{\alpha} = 0$, holding in case of existing forward slip can be derived. 4) The coefficient of slipping distance is deter-

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Slipping Coefficients in Rolling

SAC/161-59-1-25/5c

mined by adding the slipping distances $r\delta_I$ and $r\delta_{II}$ contrary to the procedure of determining the coefficient of relative motion:

$\frac{\delta_{I+II}}{\alpha}$. This coefficient is specified by formula (27), and, if the conditions of force equilibrium are taken into account, by formula (28). This coefficient is connected with the complex slipping coefficient and with the friction coefficient and characterizes the conditions at the contact surfaces. There are 7 figures, 1 table and 6 Soviet references.

ASSOCIATION: Ivanovskiy energeticheskiy institut (Ivanovo Institute of Power Engineering)

SUBMITTED: March 29, 1958

Card 5/3

POTOSKUYE V. M. N.

PHASE I BOOK EXPLOITATION SOV/4782

Moscow, Institut stali

Projektirovaniye i obnaruzheniye stali i splavov (Production and Treatment of Steel and Alloys) Moscow, Metallurgizdat, 1960, 462 p.
(Series: Issl. Sbornik, 39), 2,100 copies printed.

Ed.: Ye. A. Borilov; Ed. of Publishing House: S. I. Zinger; Tech. Ed.: M. R. Klyman; Editorial Council: S. I. Zinger; N. A. Olinkov; Professor; Doctor of Technical Sciences; V. V. Chukhriev; Professor, Doctor of Technical Sciences; R. N. Grigor'yan; Professor, Doctor of Technical Sciences; A. M. Kuhn; Professor, Doctor of Technical Sciences; B. G. Livshits; Professor, Doctor of Technical Sciences; N. P. Lyubinov; Professor; Doctor of Technical Sciences; I. M. Pavlov; Corresponding Member, Academy of Sciences USSR; and A. M. Ponomarev; Professor, Doctor of Technical Sciences.

PURPOSE: This book is intended for technical personnel in industry, scientific institutions and schools of higher education dealing with open-hearth and electric-furnace steels; metal rolling, physical metallurgy, metallurgy, metallography, and heat treatment. It may also be used by students specializing in these fields.

CONTENTS: The book contains results of theoretical and experimental investigations of metallurgical and heat-engineering processes in open-hearth and electric furnaces. Data are included on the following: desulfurizing of pig iron outside the blast furnace; interaction of oxidized or carbide-forming metals with solid carbon; the change of content of gases in the bath of the open-hearth furnace at various periods of melting; intensification of research methods of steel etc. Other articles deal with the electrical heating of deformation in rolling, the study of the non-uniformity of deformation in rolling, the dependence of the friction-coefficient on rolling pressure, a number of factors and rolling coefficients in rolling, on a number of factors, and other problems in the pressurizing of metals. Articles on physical metallurgy and the theoretical principles and techniques of the heat treatment of steel are also included. No personalities are mentioned. References accompany most of the articles. There are 207 references, both Soviet and non-Soviet.

Card 2/10

- Pavlov, I. M. and P. I. Davidov, Candidate of Technical Sciences [Department of Rolling], Relationship Between Friction Coefficient and (Surface) Smoothness of Rolls in Cold Rolling 113
- Kolomin, P. I., I. G. Astakhov, Candidate of Technical Sciences, I. S. Sviridov, Engineer and Yu. Ye. Ponomarev, Engineer [Department of Rolling], Investigation of the Process of Continuous Rolling of Steel Angles 132
- Sviridov, V. P., Doctor of Technical Sciences, and I. G. Astakhov, Department of Rolling, Application of Radiative Isotopes for Studying Certain Phenomena Taking Place in Plastic Deformation of Steel 153
- Pavlov, I. M. and A. V. Kuprin, Candidate of Technical Sciences [Department of Rolling], Effect of the Orientation of Defects in Metal on the Stress Concentration 161
- Pavlov, I. M., Candidate of Technical Sciences [Department of Rolling], Slippage in Rolling 173

Card 2/10

POTOSKUYEV, M. N.

Indices of sliding during rolling. Nauch.dokl.vys.shkoly; met.
no.1:133-140 '59. (MIRA 12:5)

1. Ivanovskiy energeticheskiy institut.
(Rolling (Metalwork))

POTOSKUYEV, M.M., dots., kand. tekhn. nauk.

Regular pattern of metal flow in the center of deformation under
the effect of rolling. Sbor. Inst. stali no.38:245-281 '58.
(MIRA 11:8)

1. Kafedra prokatki Moskovskogo instituta stali im. Stalina.
Predstavлено членом-корреспондентом АН СССР И.М. Павловым.
(Deformations (Mechanics)) (Rolling (Metalwork))

Cand. Tech. Sci.

POTOKUYEV, M. N.

Dissertation: "Investigation of Forced Transversal Deformation in Reduction,
Nonuniform due to the Shape of the Rolls."

28 Jan. 49

Moscow Order of the Labor Red Banner Inst.of Steel imeni I.V. Stalin

SO Vecheryaya Moskva
Sum 71

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